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(JPMA/JSA)

**Testing methods for paints—
Part 2: Characteristics and stability
of paints—Section 4: Density
(Pyknometer method)**

ICS 87.040

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In the event of any doubts arising as to the contents,
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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Paint Manufacturers Association (JPMA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS K 5600-2-4:1999** is replaced with this Standard.

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JIS K 5600-2 series consists of the following 7 parts under the general title “*Testing methods for paints—Part 2: Characteristics and stability of paints*”:

Section 1: Colour number (Visual method)

Section 2: Viscosity

Section 3: Viscosity (Cone and plate methods)

Section 4: Density (Pyknometer method)

Section 5: Fineness of grind

Section 6: Pot life

Section 7: Storage stability

Testing methods for paints— Part 2: Characteristics and stability of paints—Section 4: Density (Pyknometer method)

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 2811-1** published in 2011 with some modifications of the technical contents. Annexes A and B, both normative in the previous edition as indispensable for the construction of this Standard, have been redefined as informative in this edition.

The portions given dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies a method for determining the density of paints, varnishes and related products using a metal or Gay-Lussac pyknometer. This Standard, however, does not apply high viscous samples like putty products.

NOTE 1 Highly viscous materials like putty products can be measured by using the Hubbard pyknometer specified in **ISO 3507**.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 2811-1:2011 *Paints and varnishes—Determination of density—Part 1: Pyknometer method* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 7410 *Liquid-in-glass thermometers for testing of petroleum product*

JIS K 5500 *Glossary of terms for coating materials*

JIS K 5600-1-2 *Testing methods for paints—Part 1: General rules—Section 2: Sampling*

NOTE : Corresponding International standard: ISO 15528 *Paints, varnishes and raw materials for paints and varnishes—Sampling* (IDT)

JIS K 5600-1-3 *Testing methods for paints—Part 1: General rule—Section 3: Examination and preparation of samples for testing*